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ABSTRACT

This document is a request by the Kentucky Department of Education for state legislation to mandate services and provide new state funding for preschool children aged 3, 4, and 5, with handicaps. Preschool services would include special education (center, home-based, itinerant); speech, physical, and occupational therapies; and other related services including transportation. A rationale supporting the request summarizes results of research on the impact of early education and its cost effectiveness and notes requirements and sanctions of federal legislation under Public Law 99-457, the Education of the Handicapped Act Amendments, 1986. The basis of the request's budgetary calculations is provided. Current trends and future projections are summarized. A section of supporting documentation covers the current network of preschool services in the state, details on Kentucky service providers, sources of program funds, local school district program data, Head Start, private programs and comprehensive care, projections of the numbers of children to be served, average Kentucky costs for services, and recommendations for implementing regulations. Appendixes provide greater detail on numbers of young children with disabilities by county and costs for specific services. (DB)

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Kentucky
Services for Preschool
Children with Handicaps

Partnerships in Education

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The following document has been developed by the Kentucky Department of Education's Office of Education for Exceptional Children (OEEC), with the assistance of the OEEC Early Childhood Funding Committee. The Funding Committee is an interagency task force established in April 1989 to provide input into the Kentucky Department of Education's proposal for preschool services for children with handicaps.

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Summary Information

BUDGETARY REQUEST ABSTRACT

THE KENTUCKY DEPARTMENT OF EDUCATION IS REQUESTING LEGISLATION TO MANDATE SERVICES AND PROVIDE NEW STATE FUNDING BEGINNING IN 1991-92 TO EDUCATE PRESCHOOL CHILDREN WITH HANDICAPS WHO ARE AGES 3 AND 4 YEARS AND WHO ARE AGE 5 YEARS AFTER OCTOBER 1 OF THE SCHOOL YEAR (PRE-KINDERGARTEN CHILDREN).

1991-92: $23,000,000 to serve 5,475 preschool children with handicaps

- children with speech/language delays
- children with mild functional delays
- children with specific handicapping conditions

This request will fund preschool services including:

- special education (center, home-based, itinerant)
- speech, physical, and occupational therapies
- other related services, including transportation as needed

Funds for the services would flow through to local school districts on a per-child basis. Local school districts will be able to use the funds to:

(1) directly operate programs, and/or

(2) contract with other public and private agencies for services, pursuant to KRS 157.280 and 707 KAR 1:070.

RATIONALE FOR THE BUDGETARY REQUEST

THE BUDGETARY REQUEST IS SUPPORTED BY RESERACH WHICH DEMONSTRATES THE COST-EFFECTIVENESS OF EARLY INTERVENTION.

Impact of Early Intervention

After 50 years of early childhood research, there is quantitative and qualitative evidence that early intervention:

- increases developmental/educational gains for the child
- improves the functioning of the family
- maximizes long-term benefits to society

Children who receive early intervention services are:

- less likely to develop secondary handicapping conditions
- less likely to need placement in special education classes
- less likely to need to be institutionalized

Compared to control groups, these children more frequently:

- completed school
- were better law-abiding citizens, with fewer arrests
- became more productive employees as adults. (ERIC Digest, 1984)

Available data emphasize the long-term cost effectiveness of early intervention.

- $3,000 invested in preschool early intervention produced a benefit of $14,819 (mothers's release time, fewer years in special education, additional lifetime earnings for the child)

  Source: Perry Preschool Project, Sweinhart and Weikert, 1980

- Every $1 spent on early treatment of behaviorally disordered children in Tennessee saved $7 within 36 months (delaying special class placement and institutionalization)

  Source: Swider, Sullivan and Manning, 1974

- Statewide early intervention services in Colorado showed a cost savings within three years of $4 for every $1 spent

  Source: McNulty, Smith and Super, 1983

- 38% of the handicapped children who received preschool special education needed no further special education. ...93% of the handicapped children who received no preschool special education continued to need special education.

  Source: Colorado Department of Education, 1980

THE BUDGETARY REQUEST IS NECESSITATED BY FEDERAL LEGISLATION (P.L. 99-457) WHICH DICTATES STRONG SANCTIONS FOR STATES WHICH DO NOT MANDATE SERVICES FOR CHILDREN WITH HANDICAPS AGES 3 THROUGH 5 YEARS BY 1991-92.

Federal Requirements (P. L. 99-457)

P. L. 94-142 is the federal statute which sets forth requirements for state and local education services to children with handicaps.

Under P. L. 94-142, states have been expected to adhere to state guidelines in determining the ages in requiring services for children with handicaps. The rule was:

> If non-handicapped children were served at a particular age, then handicapped children at that age were to be served, too.

Since 3 and 4 year old children without handicaps are not presently served in Kentucky, P. L. 94-142 has allowed, but has not required, Kentucky to serve 3 and 4 year old children with handicaps.

P.L. 99-457 is an amendment to P.L. 94-142 which removes this option, effective in the 1991-92 school year. In that year, Kentucky will no longer have discretion on whether to voluntarily serve children with handicaps ages 3 through 5 years.

BY THE BEGINNING OF THE 1991-92 SCHOOL YEAR, KENTUCKY WILL NEED TO MAKE SPECIAL EDUCATION AND RELATED SERVICES AVAILABLE TO CHILDREN WITH HANDICAPS AGES 3 THROUGH 5 YEARS IN ORDER TO CONTINUE TO RECEIVE FEDERAL FUNDS.

IN 1991-92, KENTUCKY LOSSES FOR NON-COMPLIANCE WOULD TOTAL ALMOST $13,000,000 OF FEDERAL DOLLARS CURRENTLY BEING USED TO SERVE PRESCHOOL AND KINDERGARTEN CHILDREN WITH HANDICAPS THROUGHOUT THE EXISTING SERVICE NETWORK.

Federal Sanctions for Non-Compliance

P.L. 99-457 includes strong sanctions to encourage states to comply. These sanctions are in the form of loss of funds. Failure to mandate services to children with handicaps ages 3 through 5 years by 1991-92 will mean that Kentucky will be ineligible to receive federal funds for either preschool or kindergarten children with handicaps:

5,721 kindergarteners served in Kentucky in 1988-89
+5,475 preschoolers to be served in Kentucky
11,196 children ages 3 through 5 years

The financial losses would come from four federal sources:

(1) the preschool grant (under P. L. 99-457, Section 619) for children ages 3 through 5

11,196 children x $700 grant per child $7,837,200

(2) the P.L. 94-142 funds for children ages 3 through 5

11,196 children x $300 grant per child $3,358,800

(3) discretionary grants under P.L. 94-142 regarding children ages 3 through 5

1988-89 Funding Levels:

Personnel preparation programs at universities $221,694

Research grants at universities $625,000

Demonstration grants at universities and local agencies $432,640

(4) P.L. 89-313 funds for children ages 3 through 5

850 children x $430 grant per child $365,500

TOTAL: $12,650,834

CALCULATIONS FOR THE BUDGETARY REQUEST

THE BUDGETARY REQUEST IS BASED ON A 1989 COST STUDY ON PROVIDING CURRENT PRESCHOOL SERVICES IN KENTUCKY TO YOUNG CHILDREN WITH HANDICAPS. COSTS HAVE BEEN PROJECTED FOR 1991, BASED ON THE ESTIMATED NUMBER OF PRESCHOOL CHILDREN TO BE SERVED.

The TOTAL COST OF SERVICES is calculated based on the number of preschool handicapped children to be served in 1991-92, times the average cost of preschool services for handicapped children in Kentucky (1988-89 costs, adjusted for 4% annual inflation):

5,475	x	$5,242	=	$28,699,950
PRESCHOOL HANDICAPPED CHILDREN		AVERAGE COST PER HANDICAPPED CHILD IN KENTUCKY (1991 DOLLARS)		TOTAL COST

The budgetary REQUEST FOR NEW STATE FUNDING is based on the total projected cost of services to children ages 3 and 4 with handicaps, less the funding which is already available from other sources:

$28,699,950	TOTAL COST OF SERVICES
- 5,590,483	FUNDING AVAILABLE
$23,109,447	NEW STATE FUNDING REQUESTED (rounded to $23,000,000)

The FUNDING ALREADY AVAILABLE is calculated based on deductions for current sources of funds. Not included are private and public sources which are discretionary and not restricted to use for preschool children with handicaps.

- Federal flow-through funds to local school districts under P.L. 94-142 (includes P.L. 99-457 Preschool grant) for handicapped preschool children
  5,475 children x $750 per child $4,106,250
- Federal flow-through funds for handicapped preschool children served in state-operated programs (P.L. 89-313 Chapter 1)
  850 children x $430 per child $365,500
- Federal flow-through funds to Head Start programs for serving handicapped preschool children (Head Start PA 26)
  1,018 children x $1,100 per child = ... $1,118,733
  (cap of 10% of children)

THE FIGURES USED IN THE CALCULATIONS ARE BASED ON 1988-89 KENTUCKY DATA DEVELOPED THROUGH THE OFFICE OF EDUCATION FOR EXCEPTIONAL CHILDREN'S EARLY CHILDHOOD FUNDING COMMITTEE. FURTHER DESCRIPTION FOR THE SOURCES OF THE FIGURES IS FOUND IN THE SUPPORTING DOCUMENTATION.

IMPACT AND FUTURE PROJECTIONS

Current Trends

With strong federal incentives through P.L. 99-457 over the past few years, Kentucky has gradually increased the numbers of preschool children served by local school districts.

YEAR	# of Handicapped Children Ages 3 and 4 Years	% of All Children Ages 3 and 4 years	# of Handicapped Children Ages 5 (Kindergarten)
1986-87: With federal funds available under P. L. 94-142 (Prior to P. L. 99-457):	284	0.3%	4,059
1987-88: With federal bonus incentives under P. L. 99-457:	1,238	1.1%	5,618
1988-89: With federal bonus incentives continued	2,014	1.8%	5,721
1989-90: Projection provided by districts, last year of federal bonus incentives	3,463	3.2%	5,721
Biennium 1990-91: With federal funds (no bonus) available under P. L. 99-457:	3,463	3.2%	5,721
1991-92: With state mandate and continued federal funding:	5,475	5.0%	5,721

Future Projections

Although Kentucky currently serves approximately 11% of the school-age population through special education, it is anticipated that Kentucky will serve only 5% of the preschool population through special education. This projection reflects trend data from other states already mandating preschool services.

In future years, the preschool budget for handicapped children will need to reflect an annual inflation rate (cost of living increase), similar to the regular increase in teacher salaries under the Minimum Foundation Program for school-age children.

Supporting Documentation

CURRENT NETWORK OF PRESCHOOL SERVICES

Overview

In Kentucky, there are three major types of agencies which provide developmental/ educational services to preschool children with handicaps and their families:

- local school districts
- Head Start agencies
- private programs and Comprehensive Care Centers

Figure 1 provides a map of Kentucky showing counties in which the above agencies provided voluntary services for preschool children with handicaps in 1988-89.

Figure 2 indicates the financial resources which currently fund services in the above programs in Kentucky.

Need for Interagency Efforts

Young children with handicaps usually require multidisciplinary services from a variety of community resources with no one agency providing all services. The current network of programs enhances various service delivery options (such as home-based, center-based or consultant models) to meet individual needs of preschool children.

Because Kentucky already has a network of preschool service providers, interagency collaboration should build upon, rather than replace, the existing network. Interagency collaboration promotes:

(1) Utilization of non-public preschool space already available rather than the school's construction or establishment of new classrooms.

(2) Maximizing resources and utilization of existing staff expertise in preschool programs such as in curriculum and related services (physical therapy, occupational therapy and speech therapy).

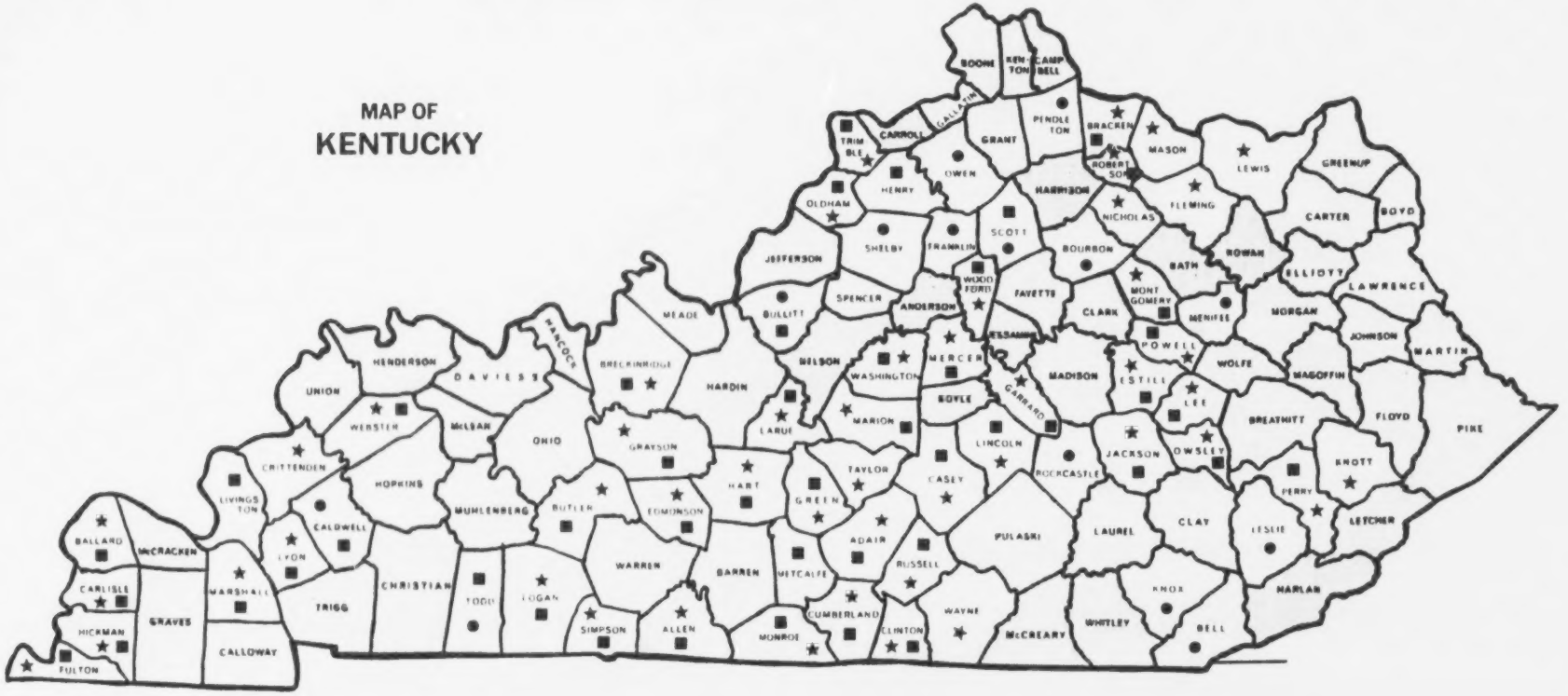
(3) Reduction of duplication or gaps in services by utilizing contractual arrangements between the public school and other preschool programs.

(4) Facilitation of smoother transition from one level of programming to the next.

CURRENT EDUCATION FOR PRESCHOOL CHILDREN WITH HANDICAPS IS TRULY A PARTNERSHIP BETWEEN THE PUBLIC AND PRIVATE SECTOR, WITH MULTIPLE AGENCIES INVOLVED.

FIGURE 1

Service Providers for Kentucky Preschool Children with Handicaps (1988-89)

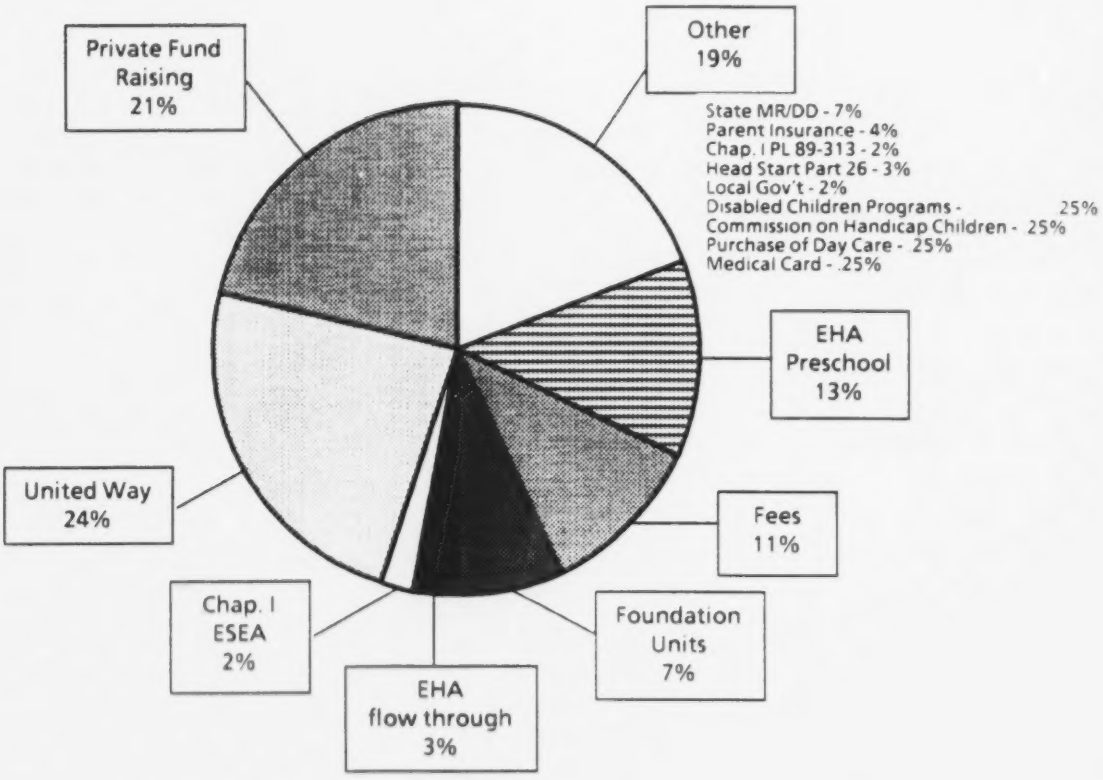


Agencies voluntarily making services available to preschool children with handicaps (discretionary)

- ■ School District
- ● Comprehensive Care and/or local non-profit affiliates
- ★ Head Start
- All three services above — shaded area

Figure 2

Financial Resource Affecting Local Services to 3-5 year old Children with Handicaps


Private Fund Raising 21%
Other 19%
State MR/DD - 7%
Parent Insurance - 4%
Chap. I PL 89-313 - 2%
Head Start Part 26 - 3%
Local Gov't - 2%
Disabled Children Programs - 25%
Commission on Handicap Children - 25%
Purchase of Day Care - 25%
Medical Card - .25%
EHA Preschool 13%
Fees 11%
Foundation Units 7%
EHA flow through 3%
Chap. I ESEA 2%
United Way 24%

ALL PROGRAM TYPES

Based on a 1989 sampling of programs

Local School Districts

In 1988, local school districts in Kentucky served 7,735 preschool and kindergarten children (ages 3 through 5 years), either in programs directly operated by the district or in other programs by contract from the district. Many of these children have mild handicaps.

1988-89 ..... 7,735 children served ..... ages 3 through 5 years

Kindergarten Program

In Kentucky, school districts must make kindergarten services available to five-year old children if the parents seek to enroll the child. Generally, five-year old children with handicaps receive special education and related services through the Minimum Foundation Program (the school's kindergarten and/or special education class units as well as transportation services). In addition, supplementary services may be provided through federal and local funds.

Preschool Program

Local school districts may voluntarily provide services to children with handicaps ages 3 and 4 years old, using federal and local funds. In 1988, 122 local school districts participated in preschool services by directly operating programs or by contracting for services from Head Start and other agencies.

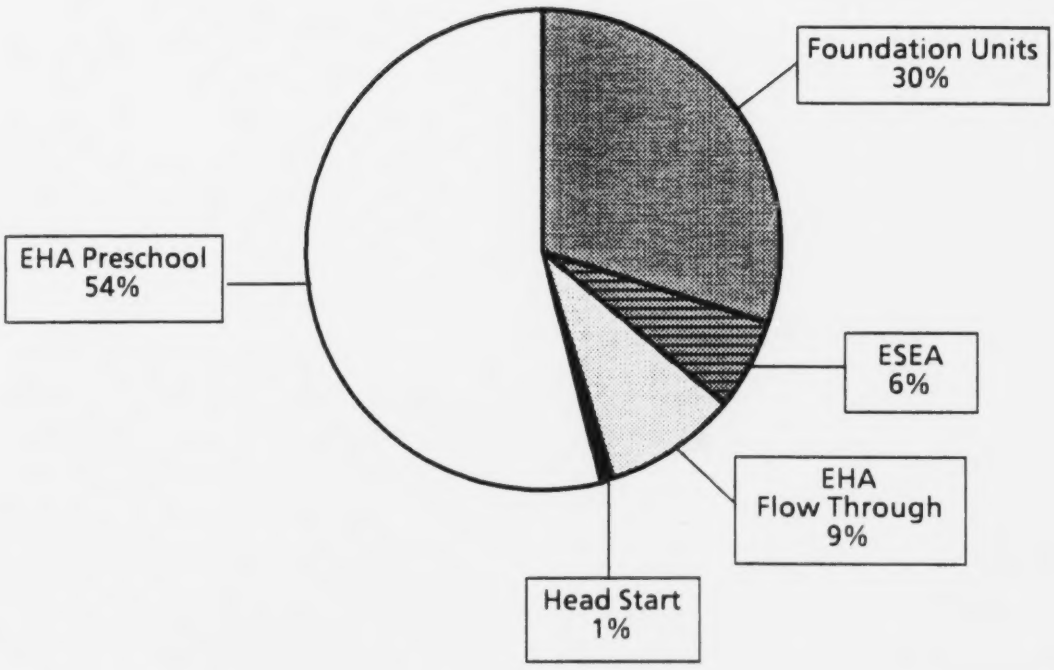
With 122 local school districts participating:

1988-89 ..... 1,392 served ..... age 4 and age 5 after October 1
622 served ..... age 3
2,014 served ..... preschool handicapped children

Federal funds received by local school districts for use in preschool programs include:

- flow-through monies under remedial programs (Chapter I ESEA)
- special education programs under P.L. 94-142 (Education of the Handicapped Act, or EHA, Part B).
- additional EHA funds for children with handicaps ages 3 through 5 years under the preschool amendment: P.L. 99-457 Section 619 (EHA, Part B Preschool).

Local School Districts



Based on a 1989 sampling of programs

Head Start

Head Start currently has thirty-three (33) grantee and twelve (12) delegate agencies operating through local organizations in 107 of Kentucky's 120 counties. Grantee agencies currently are community action agencies, boards of education, non-profit local agencies, and universities.

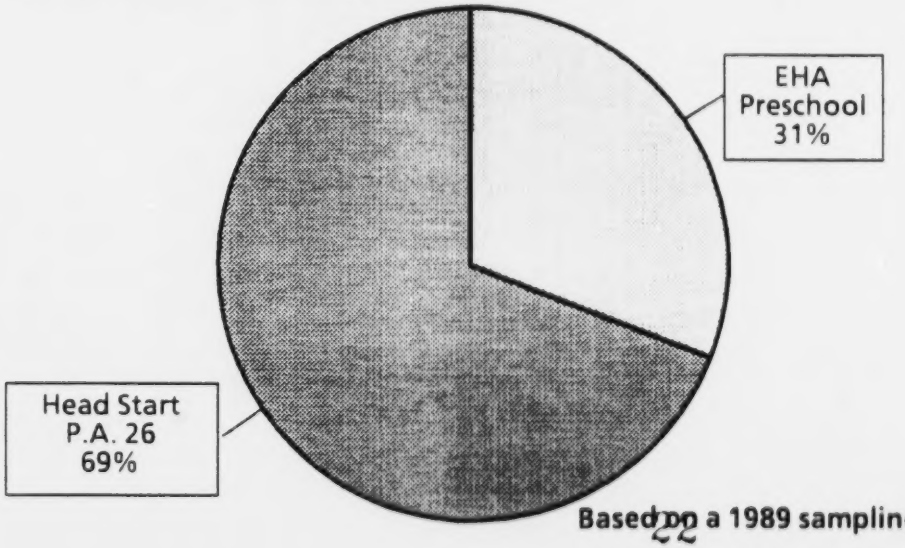
Head Start programs provide developmental/educational services to children ages 3, 4, and 5 years who are from socio-economically deprived environments, with no more than 10% of the children coming from families that are above the federal poverty guidelines.

At least 10% of the children have professionally diagnosed handicapping conditions and are provided special education and related services. Since Head Start programs frequently collaborate with public schools regarding these children, the number of children with handicapping conditions in Head Start is generally duplicative of the number of children served by the local school districts.

107 counties	
1988-89	1,669 children with handicaps ages 3-5 (duplicate count with local school districts)

Kentucky Head Start agencies may either be operated by local school districts (13 grantees and delegates are boards of education) or may contract or set up agreements with local school districts to provide services to preschool children with handicaps (106 school districts have agreements or contracts with Head Start). With such arrangements, children may be dually served with children and families receiving more comprehensive services.

Head Start agencies are funded directly through the Region IV office of the U.S. Department of Health and Human Services in Atlanta, Georgia. In addition to general Head Start operating funds which are appropriated by the Region IV office, each Head Start program receives special monies (which are called Program Account 26 funds) to serve children with handicapping conditions.



Based on a 1989 sampling of programs

Private Programs and Comprehensive Care

The Cabinet for Human Resources flows funding for services to handicapped children and their families through the fourteen regional mental health/mental retardation boards. These regional boards have discretion in determining target age groups and programs for funding through State General mental retardation dollars within the region.

Preschool services may be provided either directly by a regional board in its Comprehensive Care Centers or through contractual arrangements with local private providers (private non-profit affiliates). There are currently 57 local providers, either Comprehensive Care or private affiliates, serving preschool children with handicaps in 83 of Kentucky's 120 counties. These providers serve the majority of preschool children with multiple and severe handicaps.

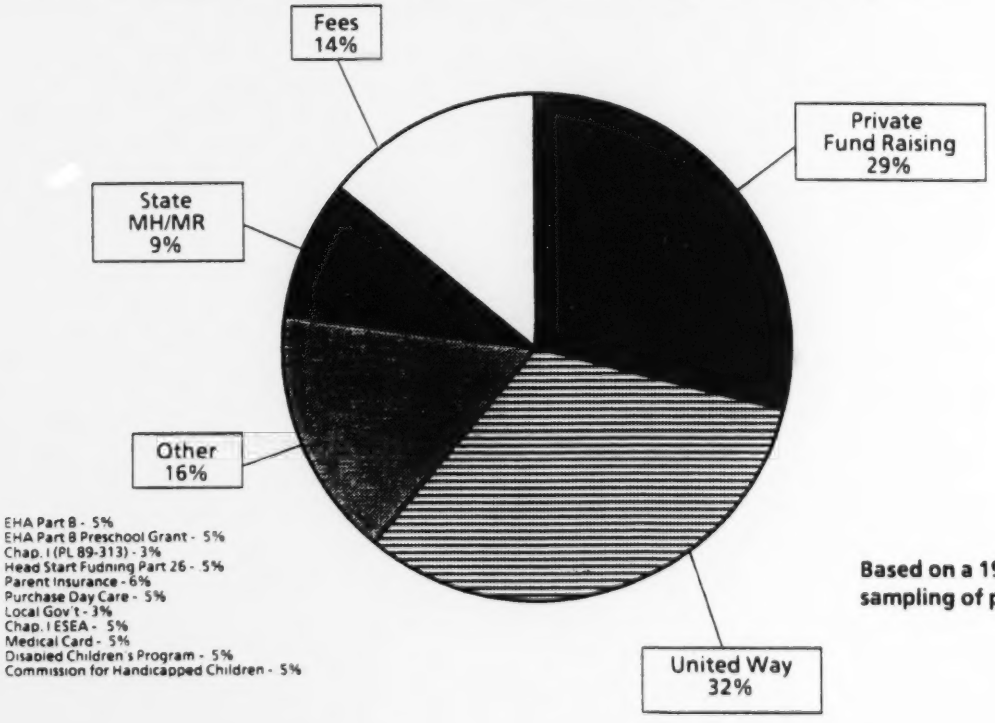
57 providers serving 83 counties:

1988-89 ..... 738 handicapped children ages 3 and 4

Programs operated directly by the regional boards or through affiliates are generally funded through:

- P.L. 89-313 (state-operated programs for children with handicaps),
- State General mental retardation dollars,
- discretionary funds from CHR's Developmental Disabilities Planning Council, and
- local public revenue resources.

In addition to the above resources, the private affiliates heavily rely on the United Way, private fund-raising, parent fees, parent insurance, and other local resources.



Based on a 1989 sampling of programs

PROJECTION OF THE NUMBERS OF CHILDREN TO BE SERVED

Since 1975, the federal benchmark for the number of school-age children with handicaps has been considered 12% of the population. Kentucky currently provides special education and related services to about 11% of the school age population, including 10.2 % of children age 5 (kindergarten program). In Kentucky 16% of the children in Head Start have handicapping conditions.

There are no national standards for the estimated per cent of preschool children with handicaps. Other states with mandates serve between 4% and 8% of the preschool population.

Since 1986, Kentucky has had a strong growth in the numbers of preschool children with handicaps who have received services through local school districts:

1986-87 .....284 preschoolers.....0.3%

1987-88 .....1,238 preschoolers.....1.1%

1988-89 .....2,014 preschoolers.....1.8%

1989-90 .....3,463 preschoolers.....3.2% (projected by districts)

Based on this growth curve, it is anticipated that, with state funding in 1991-92, Kentucky will serve 5% of the preschool population:

1991-92 .....5,475 preschoolers..... 5%

Figure 3 is a map of Kentucky showing the numbers of children with handicaps ages 3 through 5 years who received services across agencies, according to 1988-89 federal funding counts. See Appendix A for county detail on children ages 3-5. Appendix B contains county data on only preschool children ages 3-4.

FIGURE 3

Children Ages 3-5 Years
Receiving Services in 1988-89

Number of Children

✓ 0-25
✱ 26-75
■ 76+

24

AVERAGE KENTUCKY COSTS FOR SERVICES

Kentucky Cost Survey

In Summer 1989, the Office of Education for Exceptional Children's Early Childhood Funding Committee conducted a survey to local preschool programs to determine current costs of services. An ingredients approach was used in which programs were asked to provide the current per child cost of specific services.

Costs for Specific Services

In order to standardize responses, the Committee provided specific descriptors for each of fifteen services which could be provided per child, such as:

- half-day 35-week basic center-based program
- ½ to 2 hours per week per 35-week home-based or itinerant program
- 1 hour of occupational therapy
- 1 hour of speech therapy

The survey was sent to a sampling of 20 agencies located in each of the 14 regional mental health/mental retardation regions. In each region, the committee identified programs known to be currently providing comprehensive services to preschool children with handicaps:

- Head Start agencies
- local school districts
- private programs

Figure 4 provides a listing of the 1989 average cost of each of the identified services for preschool children with handicaps in Kentucky.

Range of Costs Per Child

In order to project an average per-child cost of comprehensive services, the Committee then developed a model for estimating the amount and types of services needed by the "average" preschool child with handicaps.

In this model, estimates were made of the range of costs of preschool services for children with handicaps who needed less intensive services and those who needed more intensive services. Those with mild handicaps needing less intensive services might be participating full-time in a regular program and need less than two hours per week of special education and related services, plus transportation. A child with severe handicaps needing intensive services might require a half-day center-based program of special education, four hours of therapy during the week, specialized transportation, and extended year services to prevent regression.

FIGURE 4

AVERAGE COST OF INDIVIDUAL SERVICES

Survey of 20 schools, Head Starts, Private Programs, and Comprehensive Care Centers

SERVICES		PER HOUR	PER YEAR (35 WEEKS)
Education	(special education)		
	-Per child for half day center-based program per 35 weeks		$2951
	-Per child for an itinerant program 1/2 hr. - 2 hours weekly per 35 weeks		$1925
	AVERAGE OF CENTER/ITINERANT SERVICES OF ALL SURVEY RESPONDENTS		$2438
	AVERAGE OF PRIVATE PROGRAMS/COMPREHENSIVE CARE PROGRAMS		$3501
Therapy:	(speech, physical occupational therapy)	$37	$1406
Other:	(audiology, counseling services, early identification, medical services for diagnostic purposes, parent counseling and training, psychological services recreation services, school health services, social work services in schools)	$42	$1596
Transportation:			
	AVERAGE OF ALL SURVEY RESPONDENTS		$608
	SPECIALIZED TRANSPORTATION COSTS-KY SCHOOL DISTRICTS		$1,185

Figure 5 provides an analysis of the range of costs, based on the intensity of services needed by a particular child. Costs range from $2,516 to $10,710.

Average Cost Per Child

The model also estimated the number of preschool children who need more intensive services and those who need less intensive services. These estimates were extrapolated from the relative proportion of handicapping conditions noted on the school-age child count. From these estimates a weighted average cost of services was used.

Based on this analysis, the 1989 average cost per child in Kentucky is $4,660. The data are surprisingly consistent across local schools and private programs. Because the cost figure in the budget request is for 1991, inflation has been taken into account by factoring in 4% for two years. With inflation taken into account, the projected 1991 cost per child is $5,242.

FIGURE 5

AVERAGE COST FOR A PRESCHOOL CHILD WITH HANDICAPS IN KENTUCKY

INTENSITY & DIVERSITY OF SERVICES

SERVICES	LEVEL I	COST	LEVEL II	COST	LEVEL III	COST
	Education	Mainstream	Education:	$2,438	Education:	$3,501
	Therapy: (3/4 hr./wk. for 35 wks.)	$1,110	Therapy: (1 hr/wk. for 35 wks.)	$1,406	Therapy: (3/hrs./wk for 43 wks-- includes 8 wk. extended school yr.)	$4,218
	Other: 1/2 hr./wk for 35 wks.)	$798	Other: (1/2 hr./wk. for 35 wks)	$798	Other Services (1 hr./wk. for 35 wks)	$1,806
	Transportation	$608	Transportation:	$1,185	Transportation:	$1,185
	TOTAL COST OF SERVICES	$2,516		$5,827		$10,710

RECOMMENDATIONS FOR IMPLEMENTING REGULATIONS

The Kentucky Department of Education proposes that in 1991-92, $23,000,000 be allocated to local districts on a per-child basis to meet the needs of eligible preschool children with handicaps. The Early Childhood Funding Committee urges consideration of the following in the development of the regulations for these funds.

1. **The Committee strongly recommends that the funding mechanism for disbursing funds to local districts be one which facilitates a local school district's contracting for services with other public and private agencies. Consequently a per-child, rather than a unit, formula has been developed. Under P.L. 99-457, interagency cooperation is a priority in preschool service delivery.**

2. **The Committee recommends strong consideration of the utilization of a weighted-pupil formula rather than a flat amount per child. In the formula, more funding would flow to children who require more intensive and frequent special education and related services.**

3. **The Committee recommends that the child count be taken on December 1 as part of the school districts' existing federal count procedures for special education.**

   (a) For the first year of state funding (1991-92), the preschool count would be based on the number of preschool children served on December 1, 1990. However, since some districts will not be at full implementation until school year 1991-92, districts would be allowed to amend their December 1990 count upwards if they are serving additional preschool children as of September 30, 1991. This supplemental September count would apply only to the first year. In following years, funding would be on the December count of the preceding year.

   (b) By April 1 of each year, districts would be notified of the amount available per preschool child for the next school year. Therefore, since districts would know their December 1 count and the amount available per child, districts would be able to develop reasonable budgets in a timely fashion prior to July 1 of the upcoming school year.

4. **The Committee recommends that the following be required:**

   (a) Districts would maintain a separate audit trail for state preschool funds for children with handicaps.
   (b) Allowable costs would be restricted to provision of services to three and four year old children with handicaps.

      (1) There would be a 10% maximum limit applied to administrative costs.

      (2) There would be a 10-15% maximum limit applied to capital outlay.

      (3) The remainder of the budget would be available for instructional purposes.

      (4) Budgets would be submitted to the Office of School Administration and Finance. If a district wished to exceed the maximum for administration or capital outlay in any given year, this would require prior approval by the Kentucky Department of Education.

5. **The Committee recommends that the current (August 1988) Kentucky Department interim policy on personnel providing early childhood special education services be continued until full notice is given to districts regarding final certification requirements.**

APPENDIX A

APPENDIX A

THREE, FOUR AND FIVE YEAR OLD HANDICAPPED CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			
	EHA COUNT (schools)	89-313 COUNT (Comp Care)	TOTAL SERVED	Head Start (count may also be included in EHA count)
Adair	41		41	6
Allen	46		46	8
Anderson	70	1	71	9
Ballard	30		30	1
Barren	77	36	113	9
Bath	21	2	23	9
Bell	82	8	90	13
Boone	98	7	105	2
Bourbon	48	8	56	12
Boyd	181	4	185	58
Boyle	115	8	123	8
Bracken	22		22	7
Breathitt	29	2	31	4
Breckinridge	113		113	9
Bullitt	55	7	62	
Butler	27		27	5
Caldwell	35	4	39	
Calloway	139	2	141	28
Campbell	219	9	228	34
Carlisle	19		19	3
Carroll	19	1	20	6
Carter	75	7	82	37
Casey	43		43	7
Christian	36	11	47	38
Clark	70	14	84	14
Clay	78	17	95	24
Clinton	25		25	5
Crittenden	7		7	3
Cumberland	31		31	7
Daviess	140	18	158	43
Edmonson	21		21	9
Elliott	43	3	46	20
Estill	40		40	14
Fayette	84	110	194	48

THREE, FOUR AND FIVE YEAR OLD HANDICAPPED CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			
	EHA COUNT	89 313 COUNT	TOTAL SERVED	Head Start (count may also be included in EHA count)
Fleming	19		19	10
Floyd	80	14	94	21
Franklin	98	5	103	9
Fulton	48		48	1
Gallatin	6		6	
Garrard	23		23	10
Grant	38	1	39	4
Graves	97	5	102	19
Grayson	51		51	15
Green	20		20	6
Greenup	85	8	93	17
Hancock	16	1	17	17
Hardin	96	19	115	10
Harlan	174	71	245	14
Harrison	56	5	61	6
Hart	27		27	9
Henderson	87	10	97	8
Henry	23		23	
Hickman	17		17	3
Hopkins	129	23	152	8
Jackson	94		94	13
Jefferson	521	65	586	101
Jessamine	51	2	53	9
Johnson	104	7	111	28
Kenton	207	24	231	33
Knott	128	1	129	17
Knox	25	46	71	54
Larue	35		35	10
Laurel	140	23	163	15
Lawrence	20	7	27	16
Lee	14		14	15
Leslie	16	1	17	17
Letcher	90	4	94	38
Lewis	1		1	12
Lincoln	58		58	17
Livingston	19		19	

THREE, FOUR AND FIVE YEAR OLD HANDICAPPED CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			
	EHA COUNT	89-313 COUNT	TOTAL SERVED	Head Start (count may also be included in EHA Count)
Logan	163		163	9
Lyon	22		22	5
Madison	124	12	136	20
Magoffin	59	3	62	23
Marion	79		79	10
Marshall	61		61	15
Martin	26	3	29	25
Mason	24		24	12
McCracken	150	57	207	30
McCreary	75	8	83	6
McLean	26	1	27	5
Meade	28		28	
Menifee	0	3	3	9
Mercer	58		58	9
Metcalfe	43		43	
Monroe	64		64	18
Montgomery	54	1	55	14
Morgan	54	4	58	20
Muhlenberg	62	3	65	8
Nelson	64	21	85	13
Nicholas	9	0	9	9
Ohio	81	2	83	8
Oldham	54		54	8
Owen	6	7	13	
Owsley	52		52	45
Pendleton	23	3	26	
Perry	82		82	18
Pike	84	5	89	59
Powell	78		78	14
Pulaski	96	4	100	12
Robertson	7		7	6
Rockcastle	40	8	48	13
Rowan	52	4	56	12
Russell	58		58	5
Scott	52	3	55	
Shelby	71	12	83	

THREE, FOUR AND FIVE YEAR OLD HANDICAPPED CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			
	EHA COUNT	89-313 COUNT	TOTAL SERVED	Head Start (count may also be included in EHA Count)
Simpson	83		83	8
Spencer	14		14	
Taylor	39		39	5
Todd	21	4	25	
Trigg	44	2	46	6
Trimble	18		18	4
Union	91	2	93	4
Warren	96	13	109	43
Washington	106		106	10
Wayne	17		17	6
Webster	92		92	5
Whitley	67	39	106	13
Wolfe	20	4	24	14
Woodford	54		54	9
	7,735	849	8,584	1,669

APPENDIX B

APPENDIX B

THREE AND FOUR YEAR OLD HANDICAPPED CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			CENSUS ESTIMATE	CENSUS ESTIMATE
	EHA COUNT (schools)	89-313 COUNT (Comp Care)	TOTAL SERVED	Census ages 3-4	5% of census
Adair	16		16	382	19
Allen	8		8	386	19
Anderson	22	1	23*	360	18
Ballard	8		8	179	9
Barren	6	31	37	914	46
Bath	2	2	4	289	14
Bell	0	8	8	995	50
Boone	19	7	26	1752	88
Bourbon	0	8	8	498	25
Boyd	100	3	103*	1377	69
Boyle	42	8	50*	610	31
Bracken	5		5	196	10
Breathitt	14	2	16	506	25
Breckinridge	50		50*	466	23
Bullitt	11	7	18	1247	62
Butler	7		7	325	16
Caldwell	3	4	7	341	17
Calloway	48	2	50*	649	32
Campbell	65	7	72	2483	124
Carlisle	10		10*	134	7
Carroll	5	1	6	304	15
Carter	21	2	23	819	41
Casey	7		7	453	23
Christian	10	11	21	2610	131
Clark	20	12	32	839	42
Clay	12	12	24	842	42
Clinton	6		6	248	12
Crittenden	0		0	246	12
Cumberland	10		10	207	10
Daviess	16	15	31	2896	145
Edmonson	9		9	282	14
Elliott	14	2	16*	159	8
Estill	0		0	448	22
Fayette	0	103	103	6064	303
Fleming	0		0	346	17

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CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			CENSUS ESTIMATE	CENSUS ESTIMATE
	EHA COUNT	89-313 COUNT	TOTAL SERVED	Census ages 3-4	5% of census
Floyd	29	13	42	1551	78
Franklin	0	5	5	1170	59
Fulton	12		12	242	12
Gallatin	0		0	148	7
Garrard	8		8	294	15
Grant	6	1	7	423	21
Graves	10	5	15	823	41
Grayson	13		13	575	29
Green	5		5	232	12
Greenup	6	8	14	1037	52
Hancock	7	1	8	275	14
Hardin	9	18	27	3446	172
Harlan	49	57	106*	1373	69
Harrison	10	5	15	471	24
Hart	11		11	402	20
Henderson	11	9	20	1334	67
Henry	12		12	362	18
Hickman	5		5	118	6
Hopkins	21	22	43	1384	69
Jackson	36		36*	388	19
Jefferson	77	58	135	19477	974
Jessamine	19	2	21	894	45
Johnson	41	6	47*	828	41
Kenton	33	21	54	4487	224
Knott	80		80*	628	31
Knox	0	38	38	963	48
Larue	1		1	282	14
Laurel	54	19	73*	1333	67
Lawrence	5	6	11	483	24
Lee	5		5	264	13
Leslie	0	1	1	504	25
Letcher	51	4	55*	1009	50
Lewis	0		0	391	20
Lincoln	11		11	499	25
Livingston	2		2	220	11
Logan	69		69*	740	37

CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			CENSUS ESTIMATE	CENSUS ESTIMATE
	EHA COUNT	89-313 COUNT	TOTAL SERVED	Census ages 3-4	5% of census
Lyon	5		5	92	5
Madison	22	12	34	1335	67
Magoffin	19	3	22	516	26
Marion	22		22	563	28
Marshall	37		37*	637	32
Martin	21	3	24	507	25
Mason	0		0	458	23
McCracken	38	39	77	1620	81
McCreary	37	7	44*	543	27
McLean	2	1	3	278	14
Meade	0		0	690	35
Menifee	0	3	3	146	7
Mercer	10		10	494	25
Metcalfe	11		11	256	13
Monroe	15		15	354	18
Montgomery	18		18	547	27
Morgan	23	4	27*	391	20
Muhlenberg	19	3	22	912	46
Nelson	12	19	31	962	48
Nicholas	0		0	209	10
Ohio	10	2	12	595	30
Oldham	9		9	808	40
Owen	0	6	6	247	12
Owsley	19		19*	157	8
Pendleton	0	1	1	307	15
Perry	25		25	1188	59
Pike	19	5	24	2553	128
Powell	32		32*	427	21
Pulaski	11	4	15	1276	64
Robertson	2		2	57	3
Rockcastle	0	7	7	398	20
Rowan	17	4	21	457	23
Russell	18		18	371	19
Scott	10	3	13	631	32
Shelby	0	11	11	670	34
Simpson	35		35*	434	22

CHILDREN AFFECTED (1988)

COUNTY	RECEIVING PUBLIC SERVICES			CENSUS ESTIMATE	CENSUS ESTIMATE
	EHA COUNT	89-313 COUNT	TOTAL SERVED	Census ages 3-4	5% of census
Spencer	0		0	158	8
Taylor	0		0	571	29
Todd	18	3	21*	304	15
Trigg	12	2	14*	219	11
Trimble	7		7	146	7
Union	34	2	36*	508	25
Warren	13	10	23	2485	124
Washington	44		44*	285	14
Wayne	0		0	509	25
Webster	47		47*	467	23
Whitley	11	34	45	1062	53
Wolfe	1	3	4	279	14
Woodford	26		26	520	26
	2,014	738	2,752	109,501	5,475

* Asterick denotes counties which served more than 5% of census.

APPENDIX C

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APPENDIX C

Based on 1989 sampling of programs

OFFICE OF EDUCATION FOR EXCEPTIONAL CHILDREN

COST DATA FOR SERVICES TO HANDICAPPED CHILDREN AGES 3-5 IN PUBLIC SCHOOLS, HEAD STARTS, AND PRIVATE PROGRAM/COMPREHENSIVE CARE CENTERS

	Local Education Agencies			Private Programs/Comprehensive Care Programs			Head Starts *			Statewide Data
All Programs	High	Low	Average	High	Low	Average	High	Low	Average	Average Costs
Education Costs:										
Per child annual cost for a half day program for 35 weeks	$ 4,205	$ 905	$ 2,578	$ 6,390	$ 2,429	$ 4,410	$ 1,929	$ 1,800	$ 1,865	$ 2,951
Per child annual cost for an itinerant program for 1/2 hr. to 2 hrs.	$ 1,972	$ 540	$ 1,256	$ 3,561	$ 1,620	$ 2,591	$ 1,929		$ 1,929	$ 1,925
week per 35 weeks										
Related Services Costs:										
1 hour of audiology	$ 88	$ 30	$ 59	$ 54	$ 40	$ 47	$ 25	-	$ 25	$ 44
1 hour of counseling services	$ 75	$ 25	$ 50	$ 83	$ 50	$ 67	$ 42	$ 25	$ 34	$ 50
1 hour of early identification	$ 60	$ 30	$ 45	$ 141	$ 25	$ 83	$ 100	$ 25	$ 63	$ 64
1 hour of medical services for diagnostic purposes	$ 100	$ 45	$ 73				$ 100	$ 25	$ 63	$ 68
1 hour occupational therapy	$ 45	$ 20	$ 33	$ 64	$ 23	$ 44	$ 42	-	$ 42	$ 40
1 hour of parent counseling and training	$ 75	$ 5	$ 40	$ 83	$ 40	$ 62	$ 42	$ 9	$ 26	$ 43
1 hour physical therapy	$ 45	$ 20	$ 33	$ 75	$ 23	$ 49	$ 42	$ 32	$ 37	$ 40
1 hour of psychological services	$ 75	$ 40	$ 58	$ 60	$ 40	$ 50	$ 42	$ 25	$ 34	$ 47
1 hour of recreation services	$ 15	$ 10	$ 13	$ 43	$ 8	$ 26	-	-	-	$ 20
1 hour of school health services	$ 50	$ 9	$ 30	$ 12	-	$ 12	-	-	-	$ 21
1 hour of social work services in schools	$ 25	$ 14	$ 20	$ 40	$ 7	$ 24	$ 42	$ 9	$ 26	$ 23
1 hour of speech pathology	$ 42	$ 20	$ 33	$ 60	$ 15	$ 38	$ 27	$ 15	$ 21	$ 31
Per child annual costs of transportation	$ 1,020	$ 135	$ 578	$ 1,568	$ 635	$ 1,102	$ 154	$ 143	$ 144	$ 608

Current Funding Sources for Preschool Services:	Total	%	Total	%	Total	%	Total	%
EHA Part B Flow Through	$ 69,600	9%	$ 8,097	5%	$ 29,540	31%	$ 107,237	3%
EHA Part B Preschool Grant	$ 409,062	54%	$ 15,926	5%			$ 424,988	13%
Chapter I (PL 89-313)			$ 75,807	3%			$ 75,807	2%
Foundation Units	$ 228,750	30%					$ 228,750	7%
Head Start Funding Part 26	$ 11,325	1%	$ 15,483	5%	$ 66,925	69%	$ 93,733	3%
United Way			$ 795,424	32%			$ 795,424	24%
Parent Fees			$ 347,946	14%			$ 347,946	11%
State General Funds through the Dept. of MH/MR			$ 221,689	9%			$ 221,689	7%
Parent Insurance			$ 146,000	6%			$ 146,000	4%
Purchase of Day Care			$ 1,500	5%			$ 1,500	25%
Local Government			$ 81,400	3%			$ 87,400	2%
Fund Raising			$ 701,989	29%			$ 701,989	21%
Chapter I ESEA	$ 51,750	6%	$ 13,386	5%			$ 65,136	2%
PACE Program								
Medical Card			$ 1,000	5%			$ 1,000	25%
Disabled Children's Program			$ 9,200	5%			$ 9,200	25%
Commission for Handicapped Children			$ 1,439	5%			$ 1,439	25%
Total Costs	$ 751,966	100%	$ 2,436,286	100%	$ 96,465	100%	$ 3,303,238	100%
Total Handicapped Children Served in this Program	518		536		168		1,222	

Costs do not reflect medical card funded services of 25% in-kind local match.